Fig. 1

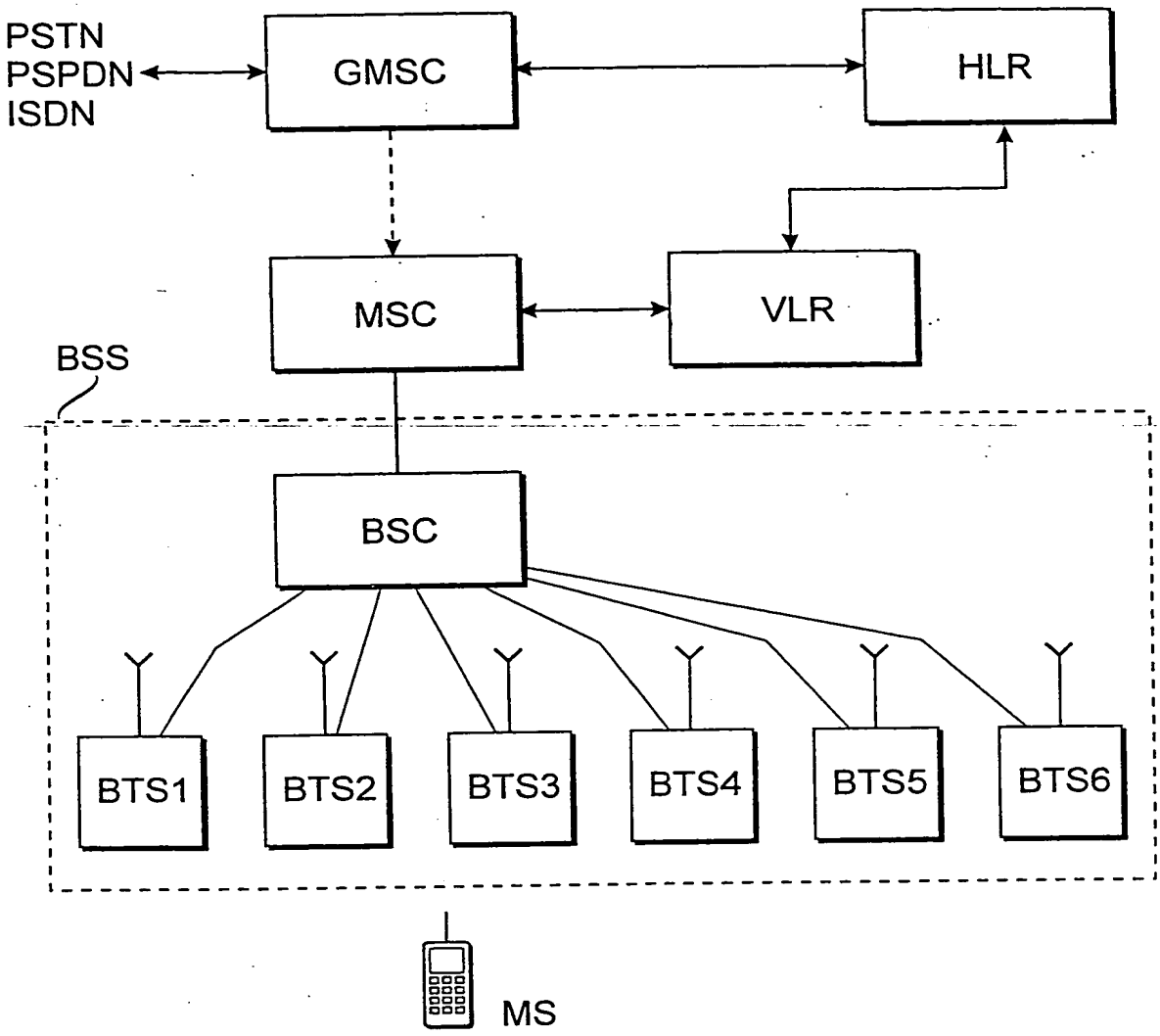

PSTN
PSPDN
ISDN
GMSC
HLR
MSC
VLR
BSS
BSC
BTS1
BTS2
BTS3
BTS4
BTS5
BTS6
MS

Fig. 2

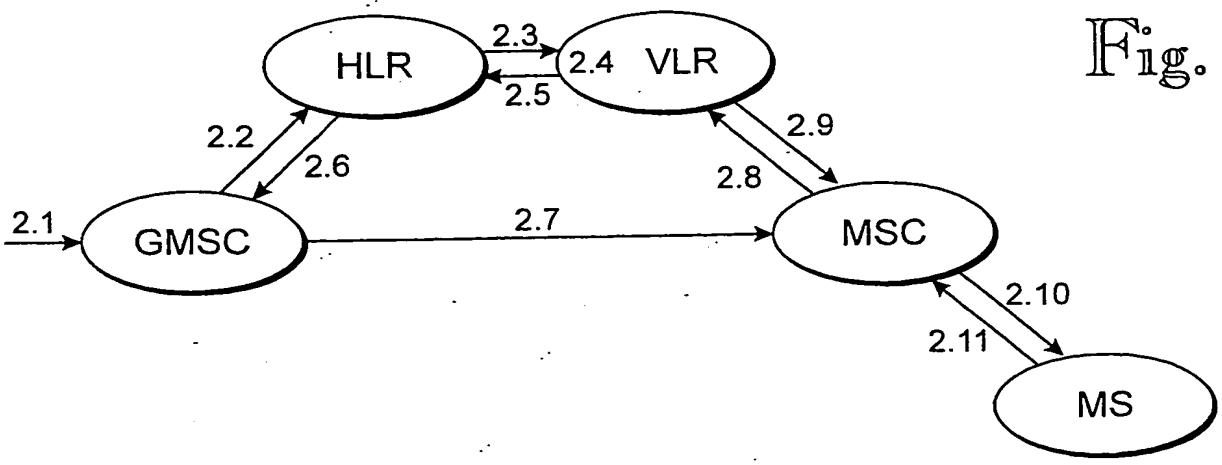

HLR
2.3
2.4
VLR
2.5
2.2
2.6
2.9
2.8
2.1
GMSC
2.7
MSC
2.10
2.11
MS

Fig. 3

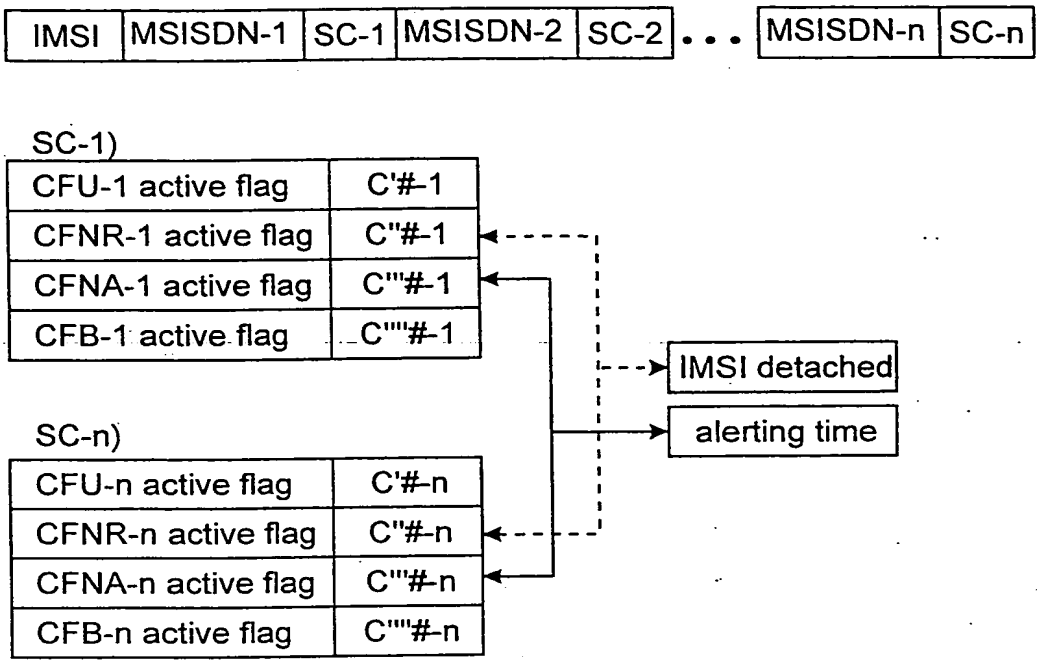

IMSI
MSISDN-1
SC-1
MSISDN-2
SC-2
MSISDN-n
SC-n
SC-1)
CFU-1 active flag
C'#-1
CFNR-1 active flag
C''#-1
CFNA-1 active flag
C'''#-1
CFB-1 active flag
C''''#-1
SC-n)
CFU-n active flag
C'#-n
CFNR-n active flag
C''#-n
CFNA-n active flag
C'''#-n
CFB-n active flag
C''''#-n
IMSI detached
alerting time

Fig. 4

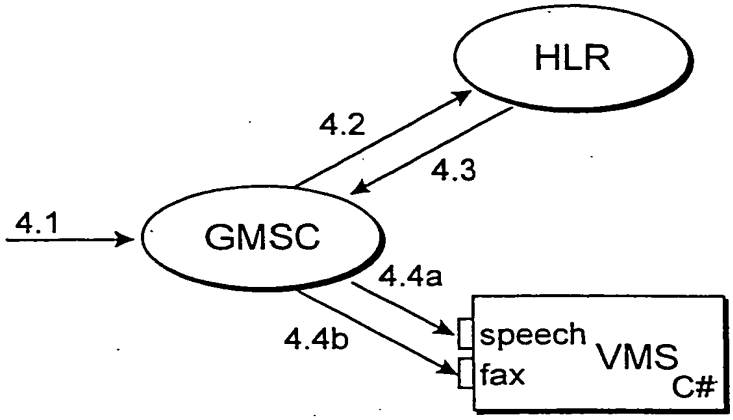


Fig. 6

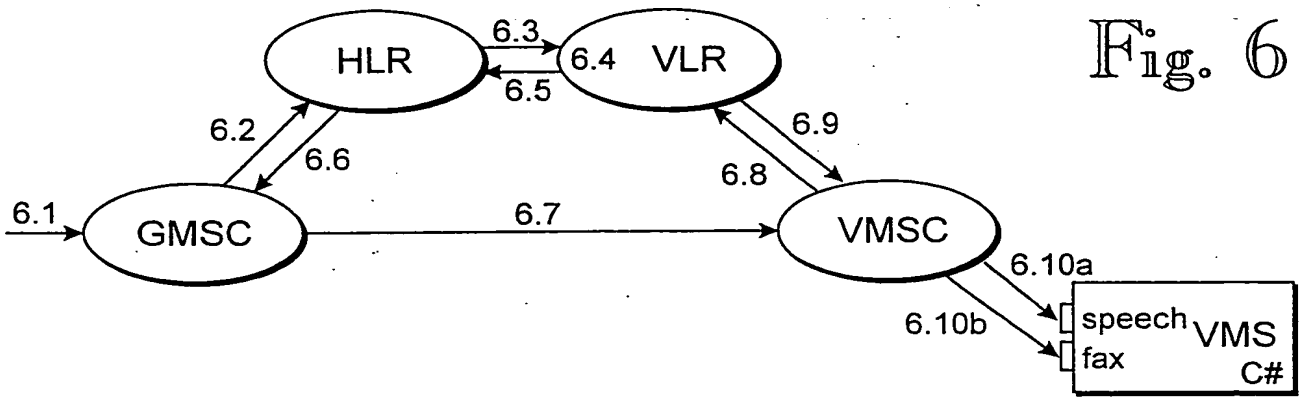


Fig. 8

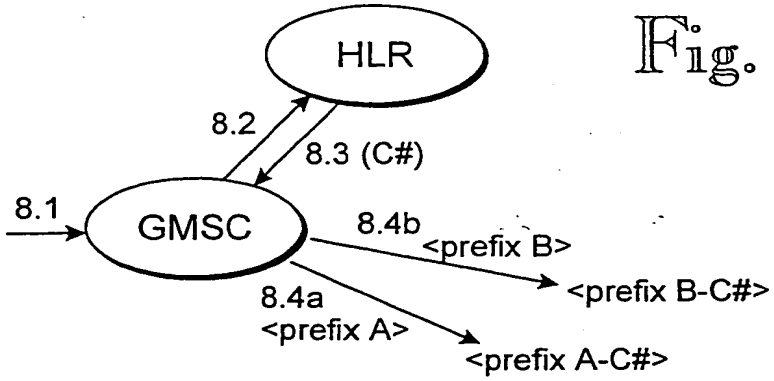


Fig. 9

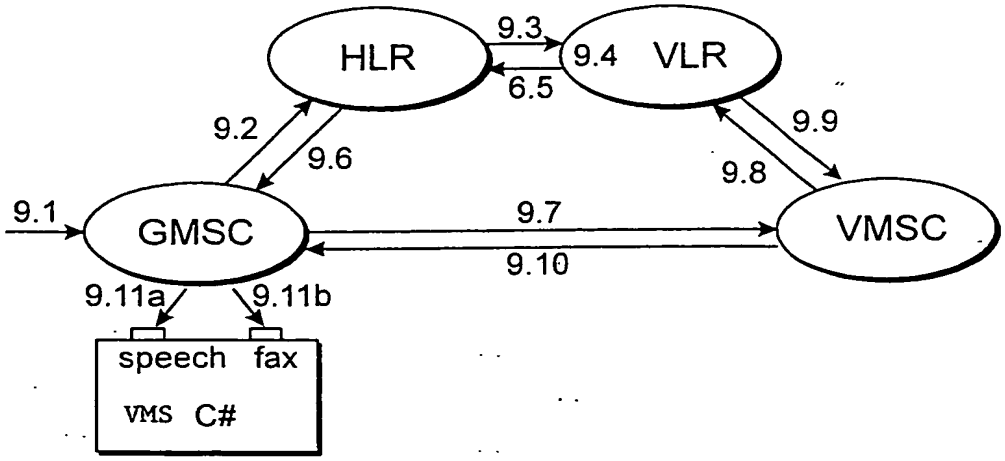
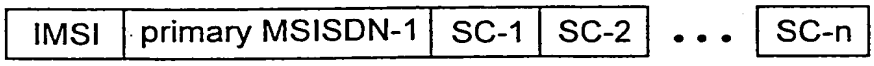


Fig. 5

```
SendRoutingInfoResE ::= SEQUENCE (
imsi                          IMSI,
routingInfo                   RoutingInfo,
cug-CheckInfo                 CUG-CheckInfo      OPTIONAL,
pni                           PnpIndex           OPTIONAL,
sriResExtension   [PRIVATE 0] SriResExtension    OPTIONAL,
ansiSriResExt     [PRIVATE 30] ANSISriResExt      OPTIONAL
...)
```

```
SriResExtension ::= [PRIVATE 0] SEQUENCE (
inTriggerKey      [0]  InTriggerKey       OPTIONAL,
vlrNumber         [1]  ISDN-AddressString OPTIONAL,
activeSs          [2]  ActiveSS-List      OPTIONAL,
traceReference    [3]  TraceReference     OPTIONAL,
traceType         [4]  TraceType          OPTIONAL,
omc-Id            [5]  AddressString      OPTIONAL,
hotBilling        [6]  BOOLEAN            OPTIONAL,
cfoIsDone         [7]  BOOLEAN            OPTIONAL,
cfInCug           [8]  BOOLEAN            OPTIONAL,
basicService      [9]  BasicServiceCode   OPTIONAL,
category          [10] Category           OPTIONAL,
routingCategory   [11] RoutingCategory    OPTIONAL,
pnpIndex          [12] PnpIndex           OPTIONAL,
nokia-CUG         [13] Nokia-CUG-Data     OPTIONAL,
noBarrings        [14] NULL               OPTIONAL,
odb-Data          [15] ODB-Data           OPTIONAL
...)
```

Fig. 7



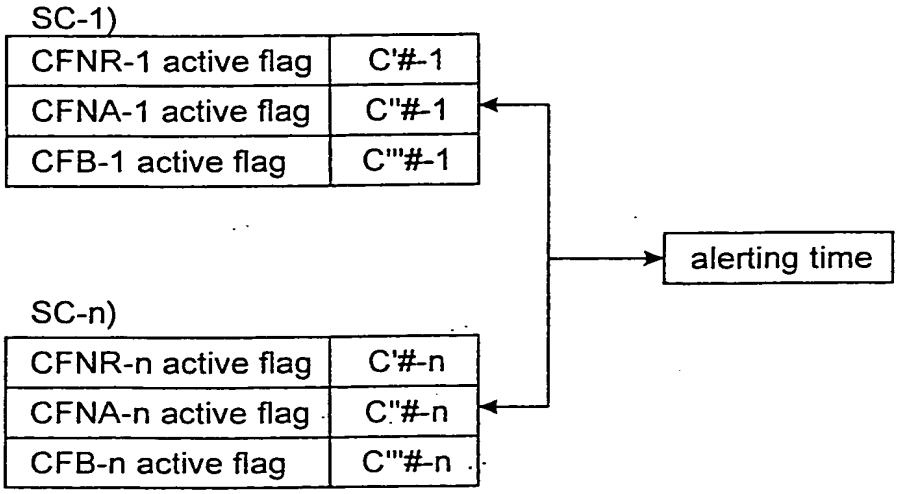


Fig. 10

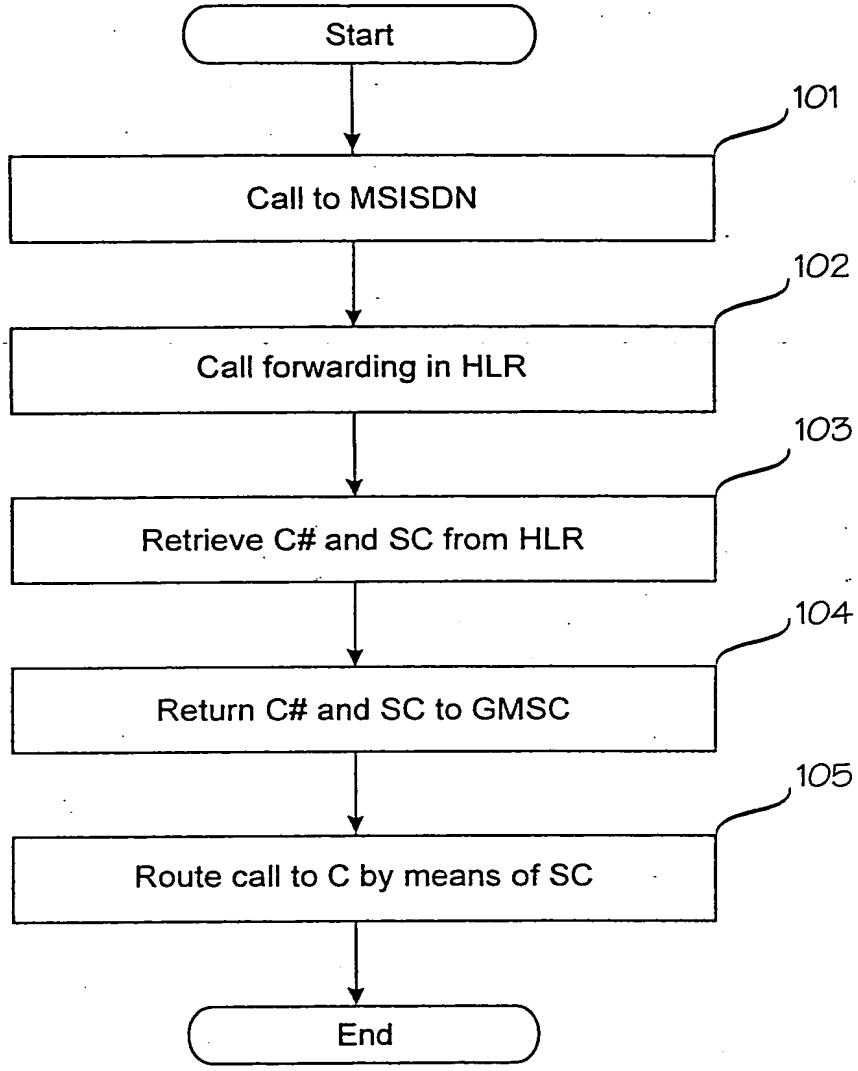
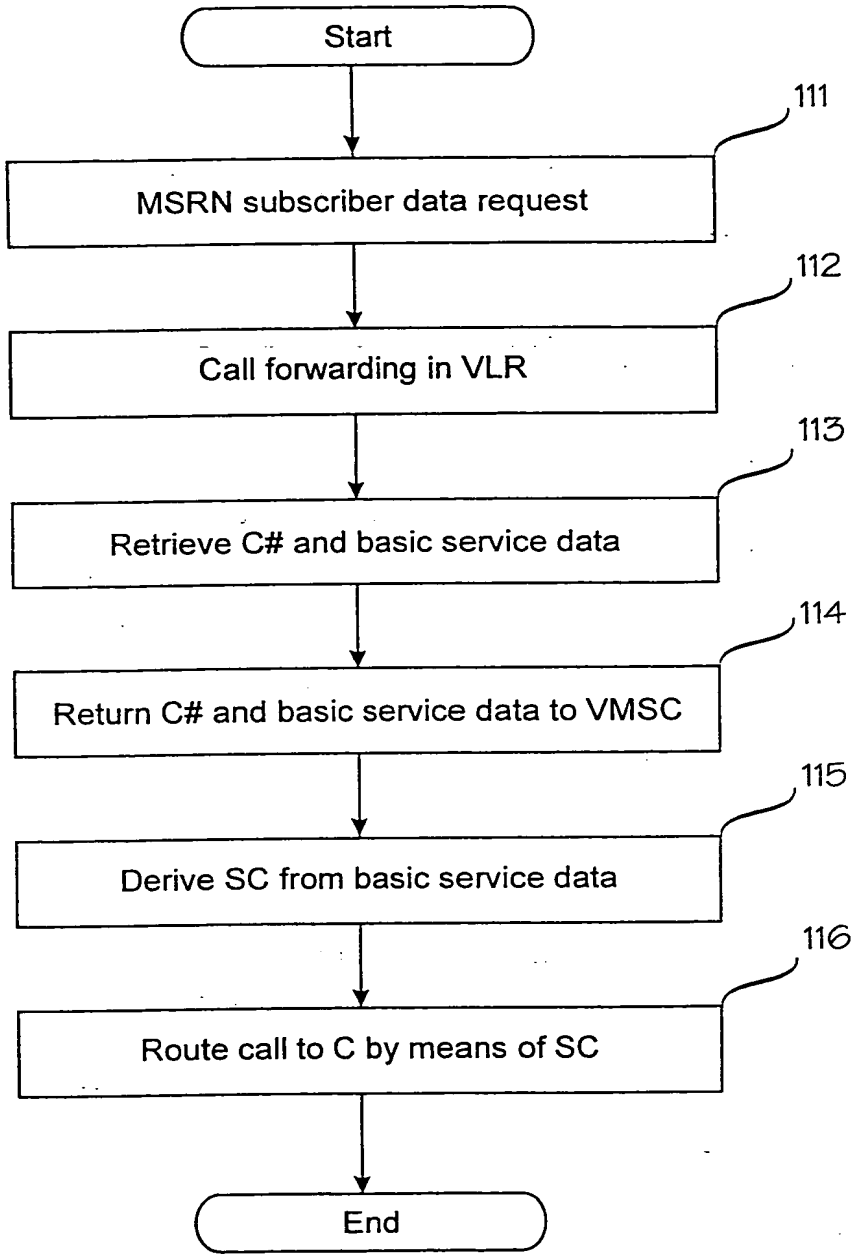

Start
101
Call to MSISDN
102
Call forwarding in HLR
103
Retrieve C# and SC from HLR
104
Return C# and SC to GMSC
105
Route call to C by means of SC
End

Fig. 11


Start
111
MSRN subscriber data request
112
Call forwarding in VLR
113
Retrieve C# and basic service data
114
Return C# and basic service data to VMSC
115
Derive SC from basic service data
116
Route call to C by means of SC
End